July 1, 1999

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

POWER PLANT SUPERVISOR

DEFINITION:

Under direction, to supervise and participate in the operation, monitoring, maintenance, and repair of electrical and mechanical power plant machinery and related equipment; and to perform related work.

* EXAMPLES OF DUTIES:

- Plans, assigns, supervises, and participates in the operation and monitoring of the City's electrical power co-generating plant machinery which includes monitoring the start-up of the gas engines and the power output of the entire system;
- Maintains and repairs power plant machinery such as the 1900 HP methane/ natural gas engines, high-voltage generators, catalytic converters, switchgears, and auxiliary equipment;
- Diagnoses and repairs engine, generator, and switchgear malfunctions, as well as defective hydraulic, pneumatic, and electrical systems and instrumentation;
- Uses computers for entering data and monitoring power plant engine emissions for compliance with Air Pollution Control District (APCD) standards;
- Ensures compliance with preventive schedules for inspecting, servicing, lubricating and maintaining plant equipment;
- Prepares reports on operations, materials, and equipment;
- Maintains inventory and keeps records;
- Enforces safety regulations;
- Ensures compliance with local, State and Federal Regulatory Agency regulations;
- Selects, assigns, trains and rates the work performance of subordinates;
- Maintains contacts with the local power company and other public agencies.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Five years of journey level experience maintaining, troubleshooting, and repairing large engines (at least 600 horsepower) and high voltage (440 volts or higher) electrical systems. Successful completion of an Associate degree, State-accredited apprenticeship, or an equivalent level community college certificate program in Electricity, Electronics Technology, Equipment Mechanics, or Marine Engineering, may be substituted for a maximum of one year of the required experience.

* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.